

SUBJECT REQUIREMENT	LOCATION IN APPLICATION COMMENTS
<p>PART G CONTINGENCY PLAN 401 KAR 34:040</p> <p>A copy of the Contingency Plan is required to be available at hazardous waste management (operating and/or closing) facilities per 401 KAR 34:040. The Contingency Plan must be designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, surface or groundwater. Where applicable, the Contingency Plan must include hazardous waste management unit-specific requirements such as in 34:200 Section 5.</p> <p>An existing Spill Prevention Control, and Countermeasures (SPCC) Plan can be amended to incorporate hazardous waste management provisions sufficient to comply with 34:040 requirements per 34:040, Section 3(2). The Contingency Plan should be designed to serve as a complete and a stand-alone document, and available at hazardous waste facilities. Thus, information in other parts of the permit application should not be referenced in the Contingency Plan. The Contingency Plan is then incorporated into the Part B permit. Therefore, any changes to the plan would qualify as a permit modification (see 38:040 on permit modifications) .</p> <p>G-1 <u>General Information</u></p> <p>The Contingency Plan must contain general information about the hazardous waste facility such as:</p> <ul style="list-style-type: none"> • Facility name and location • Owner or operator name • Site plan • Description of facility operations <p>G-2 <u>Emergency Coordinators</u></p> <p>The Contingency Plan must contain specific information in regards to the emergency coordinators such as:</p> <ul style="list-style-type: none"> • An up-to-date list of names, addresses, office and home phone numbers, and duties of all persons qualified to act as emergency coordinators. Where more than one person is listed, one person must be named the primary emergency coordinator and others (alternate emergency coordinators) must be listed in the order in which they assume responsibility as alternates. • A statement authorizing the designated coordinators to commit the necessary resources to implement the Contingency Plan • At all times, at least one coordinator, either on the facility premises or on call, must be available to reach the facility in a short period of time 	

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<p>G-3 <u>Implementation</u></p> <p>The criteria for implementation of the Contingency Plan for any potential emergency such as:</p> <ul style="list-style-type: none"> • Fires/explosions • Unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface or groundwater. <p>G-4 <u>Emergency Response Procedures</u> 401 KAR 34:040 Section 7</p> <p>G-4a <u>Notification</u> 401 KAR 34:040 Section 7(1)</p> <p>The emergency coordinator must implement methodology for immediate notification of facility personnel and necessary state or local agencies.</p> <p>G-4b <u>Identification of Hazardous Materials</u> 401 KAR 34:040 Section 7(2)</p> <p>Available data and/or procedures for the emergency coordinator to identify the hazardous materials involved in the emergency and quantity and aerial extent of release. These data and/or procedures must include information on any released material such as:</p> <ul style="list-style-type: none"> • Characteristics • Exact source • Amount • Aerial extent <p>G-4c <u>Hazard Assessment</u> 401 KAR 34:040 Section 7(3) & (4)</p> <p>The Contingency Plan must include:</p> <ul style="list-style-type: none"> • Procedure for the emergency coordinator to assess possible hazards to the human health and environment. This assessment must consider both direct and indirect effects of the release, fire, or explosion • Procedure for the emergency coordinator to determine the need for evacuation and notification of appropriate local/government authorities. The authorities to be notified should include the government official designated as the on-scene-coordinator for that area or the National Response Center. <p>G-4d <u>Control Procedures</u> 401 KAR 34:040 Section 7(5)</p> <p>The Contingency Plan must include:</p> <ul style="list-style-type: none"> • Specific responses and control procedures to be taken in the event of a fire, explosion, or release of hazardous waste to air, land, or water. Include procedures for rapidly stopping waste feed. 	

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<p>G-4e <u>Prevention of Recurrence or Spread of Fires, Explosions or Releases</u> 401 KAR 34:040 Section 7(5)</p> <p>During an emergency situation, a description of the necessary steps to be taken to ensure that fires, explosions, or releases do not occur, reoccur, or spread to other hazardous waste at the facility. Steps must include, where applicable:</p> <ul style="list-style-type: none"> • Shut-down of processes and continued monitoring of them. • Collecting, containing, and treating released wastes. • Removing and isolating containers. • Proper use of fire control structures (e.g., fire doors), systems (e.g., sprinkler systems), and equipment (e.g., extinguishers). <p>G-4f <u>Storage and Treatment of Released Material</u> 401 KAR 34:040 Section 7(6)</p> <ul style="list-style-type: none"> • Provisions to monitor for leaks, pressure buildup, gas generation, or ruptures as appropriate if operations at the facility are stopped in response to a release, fire or explosion. • Provisions for treatment, storage, or disposal of any hazardous waste resulting from a release, fire, or explosion at the facility. • Equipment available • Procedures for deployment of these resources. • Methods to contain, treat, and clean up a hazardous release and decontaminate the affected area. <p>G-4g <u>Incompatible Waste</u> 401 KAR 34:040 Section 7(8)(a)</p> <p>Provisions for prevention of incompatible waste from being treated, stored, or located in the affected areas until cleanup procedures are completed.</p> <p>G-4h <u>Post-Emergency Equipment Maintenance</u> 401 KAR 34:040 Section 7(8)(b)</p> <p>Procedures for ensuring that all emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed. (This includes advising authorities).</p> <p>G-4i <u>Container Spills and Leakage</u> 401 KAR 34:180 Section 2</p> <p>Procedures for responding to container spills or leakage including removal of spilled waste and repair or replacement of containers.</p> <p>G-4j <u>Tank Spills and Leakage</u> 401 KAR 34:190 Section 7</p> <ul style="list-style-type: none"> • Procedures for responding to tank spills or leakage including removal of spilled waste and repair of tank. 	

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<ul style="list-style-type: none"> Procedures for responding to leaks or spills from tanks containing hazardous wastes F020, F021, F022, F023, F026, and F027; and procedures for immediate removal of these wastes from the containment systems and the replacement or repair of the leaking tank. Procedures for immediately removing from service a tank system or secondary containment system from which there has been a leak or spill, or which is unfit for use. The following requirements must also be satisfied: <p>G-4j(1). <u>Cessation of Use: Prevention Flow or Addition of Wastes</u></p> <p>Describe how flow of hazardous waste into the tank system or secondary containment system will be immediately stopped and the system inspected to determine the cause of release.</p> <p>G-4j(2) <u>Removal of Waste from Tank or Secondary Containment System</u></p> <p>Release from tank systems must have as much waste as necessary removed to prevent further release of hazardous waste to the environment and to allow inspection and repair of the tank system to be performed, within twenty-four hours after detection of the leak or if demonstrated that it is not possible, at the earliest practicable time.</p> <p>Releases to secondary containment systems must have all released materials removed within twenty-four hours or in as timely a manner as is possible to prevent harm to human health and the environment.</p> <p>G-4j(3) <u>Containment of Visible Releases to the Environment</u></p> <p>A visual inspection of the release must be immediately conducted and based upon that inspection:</p> <ul style="list-style-type: none"> prevent further migration of the leak or spill to soils or surface water-remove and properly dispose of any visible contamination of the soil or surface water. <p>G-4j(4) <u>Notifications and Reports</u></p> <p>Any release to the environment except as provided in the next paragraph must be reported to the Cabinet/Director within twenty-four hours of its detection. If the release has been reported pursuant to 40 CFR Part 302 that report will satisfy this requirement.</p> <p>A leak or spill of hazardous waste is exempted from the requirements of this section if it is:</p> <ul style="list-style-type: none"> less than or equal to a quantity of one pound; and immediately contained and cleaned up 	

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<p>A report must be submitted to the Director within thirty days of detection of release to the environment and containing the following:</p> <ul style="list-style-type: none"> • likely route of migration of the release • characteristics of the surrounding soil (spill composition, geology, hydrology, climate) • results of any monitoring or sampling conducted in connection with the release (if available). If sampling or monitoring data relating to the release are not available within thirty days, these data must be submitted to the director as soon as they are available. • Proximity to down-gradient drinking water, surface water, and populated areas • description of response actions taken or planned <p>G-4j(5) <u>Provisions of Secondary Containment, Repair or Closure</u></p> <p>The tank system must be closed unless the next items are satisfied</p> <ul style="list-style-type: none"> • If the cause of the release was a spill that has not damaged the integrity of the system, it may be returned to service as soon as the released waste is removed and repairs, if necessary, are made • If the cause of the release was a leak from the primary tank system into the secondary containment system, the system must be repaired prior to returning the tank system to service. • If the source of the release was a leak to the environment from a component of a tank system without secondary containment a provision must be made to provide the component of the system from which the leak occurred with secondary containment requirements before it can be returned to service, unless the source of the leak is an above-ground portion of a tank system that can be inspected visually. If the source is an above-ground component that can be inspected visually, the component must be repaired and may be returned to service without secondary containment as long as the certification of major repairs requirements are satisfied. If a component is replaced to comply with the requirements of this paragraph that component must satisfy the secondary containment requirements for new tank systems of components. Additionally, if a leak has occurred in any portion of a tank system component that is not readily accessible for visual inspection (e.g., the bottom of an in-ground or on-ground tank), the entire component must be provided with secondary containment prior to being returned to use. 	

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<p>G-4j(6) <u>Certification of Major Repairs</u></p> <p>If a tank system has been repaired and the repair has been extensive (e.g., installation of an internal liner, repair of a ruptured primary containment vessel), the tank system must not be returned to service unless a certification has been received from an independent qualified professional engineer registered in the Commonwealth of Kentucky, that the repaired system is capable of handling hazardous wastes without release for the intended life of the system. This certification must be submitted to the director within seven days after returning the tank system to use.</p> <p>G-4k <u>Waste Pile Soils and Leakage</u> 401 KAR 34:210 Sections 2 and 4</p> <p>The application must describe the procedures to be used when responding to waste pile spills and leakage:</p> <ul style="list-style-type: none"> • Notify the Director if liquids are detected in a leak detection system. • Procedures and criteria for identifying, removing accumulated liquids, and repairing or replacing the liner(s). • Obtain qualified engineer certification of repairs and probability of leakage. • Procedures and criteria for enacting ground water detection, compliance, and corrective action program. • Procedures and criteria which will be used if an inspectable liner is found to be deteriorating, cracking or defective. <p>G-4l <u>Surface Impoundments, Spills, Leakage and Sudden Fluid Level Drops</u> 401 KAR 34:200 Sections 2 and 5</p> <p>The application must describe the procedures to be used when responding to surface impoundment spills and leakage:</p> <ul style="list-style-type: none"> • Procedures for stopping waste additions. • Procedures to contain any surface leakage which has occurred or is occurring • Procedures for stopping leaks and preventing sudden drops and catastrophic failures. • Procedures and criteria for emptying the impoundment in the case that the leak can not be stopped • Procedures for notifying the Director of the problem within 7 days after detecting the problem/leak in the leachate collection system. • Procedures and criteria for identifying and removing accumulated liquids, repairing or replacing the liner(s). • Procedures for installing a liner in existing portions of the impoundment or procedures for certification of the liner in other than existing portions when the impoundment is removed from service as the result of a sudden drop in liquid level. Further, a determination using water balance calculations must be made to determine how much liquid 	

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<p>was lost and where it went and appropriate action taken</p> <ul style="list-style-type: none"> • Obtain qualified engineers certification of repairs and probability of leakage or failure. • A surface impoundment that has been removed from service and has not been repaired within 6 months time must be closed in accordance with 34:200, Section 6 • Procedures and criteria for enacting groundwater detection, compliance and corrective action programs. <p>G-4m <u>Landfill Leakage</u> 401 KAR 34:230 Section 13</p> <p>G-4m(1) <u>Liner Repair and Replacement</u></p> <p>For double-lined landfills with leak detection systems when liquid is detected in the system, provide:</p> <ul style="list-style-type: none"> • Procedures to notify the Director within 7 days. • Procedures to remove accumulated liquid. • Procedures to repair or replace the facility liner. • Obtain certification from a qualified engineer that the leak has been stopped. <p>G-4m(2) <u>Detection Monitoring Program</u></p> <p>If liquid is detected in the leak detection system and a detection monitoring program is established as a permit condition, provide:</p> <ul style="list-style-type: none"> • Procedures that will be taken by the landfill owner or operator to implement the detection monitoring program. <p>G-4n <u>Requirements for Hazardous Wastes F020, F021, F022, F023, F026 and F027</u></p> <p>Specify procedures for responding to a spill or leak from a tank or container into the containment system.</p> <p>G-5 <u>Emergency Equipment</u> 401 KAR 34:040 Section 3(5)</p> <p>The Contingency Plan must include a list of all emergency equipment at the facility. It must include the location, physical description, and capabilities of all equipment including:</p> <ul style="list-style-type: none"> • Spill control equipment • Fire control equipment • Personnel protective items such as respirators and protective clothing • First aide and medical supplies • Emergency decontamination equipment • Emergency communication and alarm systems <p>G-6 <u>Coordination Agreements</u> 401 KAR 34:040 Section 3(3)</p> <p>The Contingency Plan must contain:</p>	

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<ul style="list-style-type: none"> • Descriptions of coordination agreements with local police and fire departments, hospitals, contractors, and state and local emergency response teams to familiarize them with the facility and actions needed in case of an emergency. • A statement indicating that a copy of the contingency plan has been submitted to these organizations. • If applicable, documentation of refusal to enter into a coordination agreement. <p>G-7 <u>Evacuation Plan</u> 401 KAR 34:040 Section 3(6)</p> <p>The plan must include:</p> <ul style="list-style-type: none"> • Criteria for evacuation when evacuation is necessary • Description of signal(s) to be used to begin evacuation, with primary and alternate evacuation routes • Primary and alternate evacuation routes <p>G-8 <u>Required Reports</u> 401 KAR 34:040 Section 7(10)</p> <p>The Contingency Plan must have:</p> <ul style="list-style-type: none"> • Notation of such incidents in the operating record identifying the time, date, and details of these emergency incidents. • Provisions for submission of reports of emergency incidents to the Cabinet within 15 days of occurrence. The report must include: <ul style="list-style-type: none"> • Name, address, and phone number of the owner or operator of the facility • Name, address, phone number of the facility • Date, time, type of incident • Name and quantity of material(s) involved • The extent of injuries, if any • An assessment of actual or potential hazards to human health and the environment where applicable • Estimated quantity and disposition of recovered material that resulted from the incident 	